# **Anti-EPHA2 antibody**

Catalog Number: 175785



#### **Product name**

Anti-EPHA2 antibody

# **Specificity**

Human, Mouse, Rat

# **Antibody description**

Rabbit polyclonal antibody to EPHA2

# **Preparation**

This antigen of this antibody was synthetic peptide within human epha2 aa 550-600.

#### **Formulation**

Liquid, 1\*TBS (pH7.4), 0.2% BSA, 50% Glycerol. Preservative: 0.05% Sodium Azide.

# **Storage**

Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

### **Clonality**

Polyclonal

#### Ig Type

Rabbit IgG

### **Applications**

WB, ICC, IHC, FC

## **Dilutions**

WB: 1:500-1:2,000

ICC: 1:50-1:200

IHC: 1:50-1:200

FC: 1:50-1:100

#### **Validations**

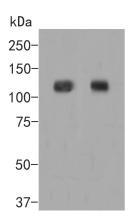


Fig1:; Western blot analysis of EPHA2 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody ( 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:5,000 dilution was used for 1 hour at room temperature.; Positive control:; Lane 1: A549 cell lysate; Lane 2: PC-3M cell lysate

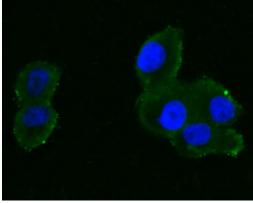


Fig2:; ICC staining of EPHA2 in PANC-1 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody (1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 Goat anti-Rabbit IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).

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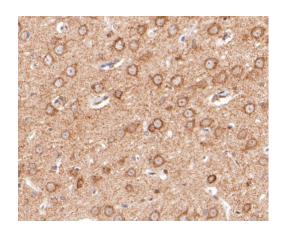


Fig3:; Immunohistochemical analysis of paraffinembedded rat brain tissue using anti-EPHA2 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH; 2; O and PBS, and then probed with the primary antibody (1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

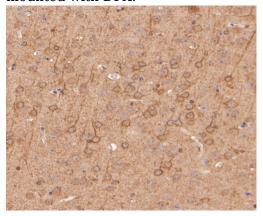


Fig4:; Immunohistochemical analysis of paraffinembedded mouse brain tissue using anti-EPHA2 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH; 2; O and PBS, and then probed with the primary antibody (1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

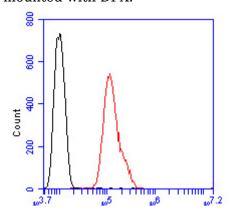


Fig5:; Flow cytometric analysis of EPHA2 was done on SHSY5Y cells. The cells were fixed, permeabilized and stained with the primary antibody (1/50) (red). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated Goat anti-Rabbit IgG Secondary antibody at 1/1000 dilution for 30 minutes. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).